

<div>Read Me</div> <div>Micha Bosshart - bmicha@ethz.ch</div> <div>Version: September 16, 2020</div> <div>Template by Micha Bosshart</div>	<div>Options</div> <div>Columns</div> <div>Default: 4 columns</div> <div> <pre>\documentclass{cheatsheet}</pre> </div> <div>3 columns:</div> <div> <pre>\documentclass[threecolumns]{cheatsheet}</pre> </div> <div>2 columns:</div> <div> <pre>\documentclass[twocolumns]{cheatsheet}</pre> </div> <div>Section Enumeration</div> <div>If argument "numerate" is given, sections will be enumerated.</div> <div> <pre>\documentclass[numerate]{cheatsheet}</pre> </div> <div>Color</div> <div>In order to change the overall color, include the following line in the preamble:</div> <div> <pre>\renewcommand{\customColor{WildStrawberry}}</pre> </div> <div>For other predefined colors as WildStrawberry click <a href="#">here</a>.</div>	<div>Predefined Commands</div> <div>mathbox</div> <div>Result</div> <div> <math display="block">i\hbar\frac{\partial}{\partial t}\Psi = -\frac{\hbar^2}{2m}\frac{\partial^2}{\partial x^2}\Psi + V(x,t)\cdot\Psi</math> </div> <div>Implementation</div> <div> <pre>\mathbox{   i \hbar \frac{\partial}{\partial t} \Psi =   - \frac{\hbar^2}{2m}   \frac{\partial^2}{\partial x^2} \Psi +   V(x,t) \cdot \Psi }</pre> </div> <div>matlab</div> <div>Result</div> <div> <math display="block">T = \text{feedback}(L,1)</math> </div> <div>Implementation</div> <div> <pre>\matlab{T = feedback(L,1)}</pre> </div>	<div>Snippets</div> <div>Columnbreak</div> <div> <pre>\hfill \null \columnbreak</pre> </div>
<div>How To Use</div> <div>Place cheatsheet.cls in the same folder as the main.tex file and compile with your program of choice.</div> <div>Program Of Choice</div> <div>I personally use and highly recommend <a href="#">Visual Studio Code</a>. You will also need to install the <a href="#">LaTeX Workshop Extension</a>.</div>			<div>Include Graphics From PDFs</div> <div>Package pgfpages needed for \includegraphics</div> <div> <pre>\begin{center}   \resizebox{\linewidth}{!}{     \fbox{       \includegraphics[         page = {1},         trim = {1cm, 3cm, 5cm, 8cm}, %lbrt         clip       ]{ThB2/ThB2_RT-2_FS20.pdf}     }   } \end{center}</pre> </div>
			<div>Align Boxed Math Expressions</div> <div>Package empheq needed for empheq environment</div> <div>Result</div> <div> <math display="block">U(s) = e^{\Phi \cdot s / \omega}</math> <math display="block">Y(s) = e^{\Psi \cdot s / \omega}</math> </div>
			<div>Implementation</div> <div> <pre>\begin{empheq}[box=\fbox]{align*}   U(s) &amp;= e^{\Phi \cdot s / \omega}\\   Y(s) &amp;= e^{\Psi \cdot s / \omega} \end{empheq}</pre> </div> <div>Bold Math Symbols</div> <div>Result</div> <div> <math display="block">\Sigma</math> </div> <div>Implementation</div> <div> <pre>\boldsymbol{\Sigma}</pre> </div>